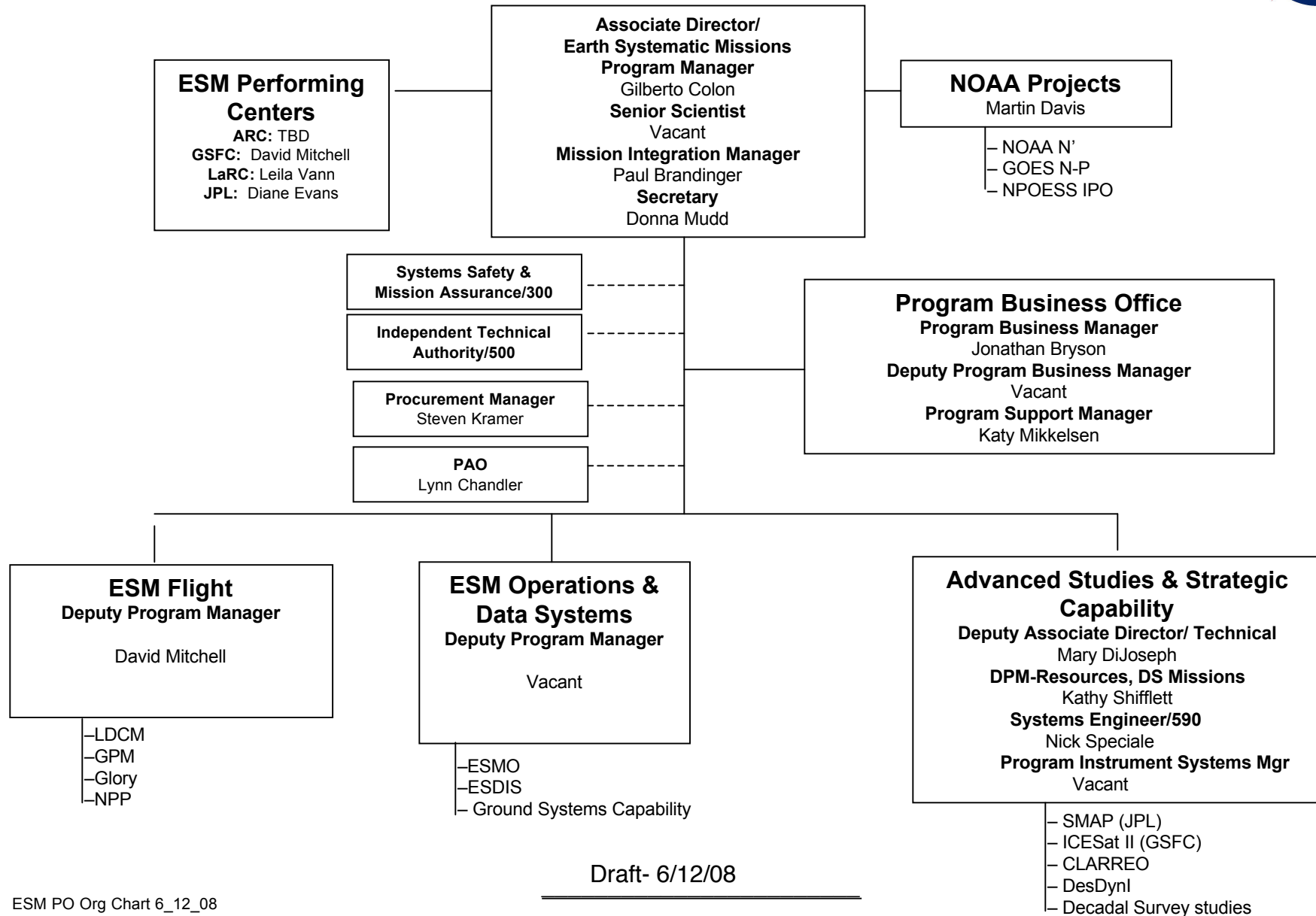
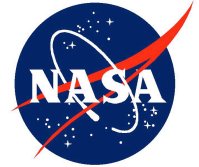


Earth Science Projects Division Code 420

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Role of the Earth Systematic Missions Program Office



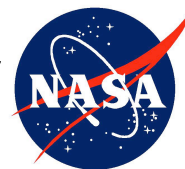
- All Decadal Survey Missions are directed missions and will be managed by the Earth Systematic Missions (ESM) Program office, housed at GSFC.
 - This is former EOS Program Office renamed and re-envigorated for the Decadal Survey
- While housed at GSFC the ESM shall incorporate expertise from across NASA
 - In particular including science and instrument expertise from LaRC and JPL
- Level of interaction and involvement by the ESM PO with the individual mission development activities will vary with the maturity of the mission and mission study
 - For all mission development activities the ESM PO will conduct cross-mission studies and investigate synergies, working with the ESD
 - For SMAP & ICESat II, the PO will have significant direct involvement
 - For CLARREO & DESDynI, the PO will co-lead the mission maturation activities with the PS/PE leadership team from HQ
 - *For Tier#2 and Tier #3 missions, the individual mission activities will be led by the PS/PE, supported by the PO*

Tier #2: SWOT, HypsIRI, ACE, ASCENDS, GEO-CAPE and Systematic Studies



- These five second tier missions should follow up on the results of the individual mission concept studies and pursue the highest priority items for the 18 month period (FY08 and FY09).
- Individual PSs have been assigned, and a single PE will coordinate for all five missions, as well as the appropriate data systems, ESTO and technology representatives.
- The PS/PE study leads should collect and prioritize the needed activities for the 18 month period, geared to the appropriate “launching point” for the start FY10 activities.
 - These proposed activities should be collected at HQ, with Flight and Science jointly preparing a proposed implementation, then presented through the ESD steering committee for selection.
- The PO primary role will be in the support of the systematic study elements of the Tier #2, ensuring the necessary & appropriate degree of commonality and consistency among the study activities.
 - The PO will propose appropriate trade studies, analyses and mission development products that would be needed for the missions to be ready to move into Phase A

Program Office Support Available to Study and Science Teams



- Mission design studies with GSFC's Integrated Mission Design Center (IMDC) or JPL's Team-X
- Access to specific discipline engineering as needed
- Operations and Ground System conceptual design with Earth Science Data Information System (ESDIS) and Earth Science Mission Operations (ESMO) Projects
- Launch Vehicle coordination and access to space through Launch Services
- Additional systems engineering support
- Assistance with requirements analysis and derivation as needed
- Independent Cost Estimate with GSFC Resources Analysis Office for consistency with other Decadal missions
- Coordination for workshops, working groups and cross mission studies